

Sub-B3> 18. The cassette of claim 17, wherein the domains are selected from the group consisting of etched domains and raised reservoirs

12 19. The cassette of claim 17, wherein the chamber further comprises microfluidic channels that remove excess fluid from the domains.

A3 CONT'D 20. The cassette of claim 17, wherein the microfluidic channels match the chamber's domains, to provide separate fluid flow to each domain, and wherein the domains are larger in diameter than the wells on the surface of the base.

14 21. The cassette of claim 17, further comprising a plug between the end of the microfluidic channel and the domains.

15 22. The cassette of claim 17 wherein a microfluidic channel extends from each domain to an edge of the chamber.

SUPPORT FOR THE AMENDMENT AND NEW CLAIMS

The amendment of claim 1 (and the recitation in new claim 17) to recite a cassette for cell screening that comprises a base containing cell binding sites and a fluid delivery system comprising a chamber, can be found throughout; see for example the legend to Figure 4 (page 13 lines 18-19) and the Figure itself; page 25 line 23 to page 28 line 9; and page 30 lines 1 and 2. Support for the chamber mating with the base, and for the chamber comprising a plurality of domains matching the wells together with microfluidic channels, as well as support for new claims 9-10 and 18-19 can be found, for example, at page 25 line 23 to page 26 line 7.

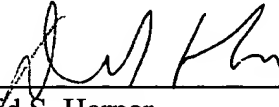
Support for new claims 11 and 20 can be found, for example at page 26 line 22 to page 27 line 2. Support for new claims 12 and 21 can be found, for example, at page 29 lines 10-23. Support for new claims 13 and 22 can be found, for example, at page 29 lines 3-9. Support for the cassette comprising an array of cells on the wells (claims 14 and 17), the wells in total comprising more than one cell binding type (claims 15 and 17),

and a controlled array of cell types on the wells (claims 16 and 17) can be found, for example, on page 15 lines 15-19; page 22 lines 4-17; and page 24 lines 11-19.

If there are any questions or comments regarding this Preliminary Amendment, the Examiner is encouraged to contact the undersigned agent as indicated below.

Respectfully submitted,

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